SEQUENCE LISTING

<110> INCYTE GENOMICS, INC.
TANG, Y. Tom
HILLMAN, Jennifer L.
YUE, Henry
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LAL, Preeti
SHAH, Purvi
AZIMZAI, Yalda
BAUGHN, Mariah R.
LU, Dyung Aina M.
BANDMAN, Olga
SHIH, Leo L.
PATTERSON, Chandra

<120> PROTEINS ASSOCIATED WITH CELL DIFFERENTIATION

<130> PF-0741 PCT

<140> To Be Assigned
<141> Herewith

<150> 60/154,140; 60/169,155
<151> 1999-09-15; 1999-12-06

<160> 56
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<210> 1
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<213> Homo sapiens

<220>
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Pro	Ile	Ser	Ala	Leu	Glu	Ser	Asp	Ala	Ala	Lys	Pro	Ala	Glu	Ala	
				20				25						30	
Pro	Asp	Ala	Pro	Glu	Ala	Ala	Ser	Pro	Ala	His	Trp	Pro	Arg	Glu	
				35				40						45	
Ser	Leu	Val	Leu	Tyr	His	Trp	Thr	Gln	Ser	Phe	Ser	Ser	Gln	Lys	
				50				55						60	
Val	Arg	Leu	Val	Ile	Ala	Glu	Lys	Gly	Leu	Val	Cys	Glu	Glu	Arg	
				65				70						75	
Asp	Val	Ser	Leu	Pro	Gln	Ser	Glu	His	Lys	Glu	Pro	Trp	Phe	Met	
				80				85						90	
Arg	Leu	Asn	Leu	Gly	Glu	Glu	Val	Pro	Val	Ile	Ile	His	Arg	Asp	
				95				100						105	
Asn	Ile	Ile	Ser	Asp	Tyr	Asp	Gln	Ile	Ile	Asp	Tyr	Val	Glu	Arg	
				110				115						120	
Thr	Phe	Thr	Gly	Glu	His	Val	Val	Ala	Leu	Met	Pro	Glu	Val	Gly	
				125				130						135	
Ser	Leu	Gln	His	Ala	Arg	Val	Leu	Gln	Tyr	Arg	Glu	Leu	Leu	Asp	
				140				145						150	
Ala	Leu	Pro	Met	Asp	Ala	Tyr	Thr	His	Gly	Cys	Ile	Leu	His	Pro	
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Glu Leu Thr Thr Asp Ser Met Ile Pro Lys Tyr Ala Thr Ala Glu
                170                 175                 180
Ile Arg Arg His Leu Ala Asn Ala Thr Thr Asp Leu Met Lys Leu
                185                 190                 195
Asp His Glu Glu Glu Pro Gln Leu Ser Glu Pro Tyr Leu Ser Lys
                200                 205                 210
Gln Lys Lys Leu Met Ala Lys Ile Leu Glu His Asp Asp Val Ser
                215                 220                 225
Tyr Leu Lys Lys Ile Leu Gly Glu Leu Ala Met Val Leu Asp Gln
                230                 235                 240
Ile Glu Ala Glu Leu Glu Lys Arg Lys Leu Glu Asn Glu Gly Gln
                245                 250                 255
Lys Cys Glu Leu Trp Leu Cys Gly Cys Ala Phe Thr Leu Ala Asp
                260                 265                 270
Val Leu Leu Gly Ala Thr Leu His Arg Leu Lys Phe Leu Gly Leu
                275                 280                 285
Ser Lys Lys Tyr Trp Glu Asp Gly Ser Arg Pro Asn Leu Gln Ser
                290                 295                 300
Phe Phe Glu Arg Val Gln Arg Arg Phe Ala Phe Arg Lys Val Leu
                305                 310                 315
Gly Asp Ile His Thr Thr Leu Leu Ser Ala Val Ile Pro Asn Ala
                320                 325                 330
Phe Arg Leu Val Lys Arg Lys Pro Pro Ser Phe Phe Gly Ala Ser
                335                 340                 345
Phe Leu Met Gly Ser Leu Gly Gly Met Gly Tyr Phe Ala Tyr Trp
                350                 355                 360
Tyr Leu Lys Lys Lys Tyr Ile
                365
<210> 2
<211> 102
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<213> Homo sapiens

<220>
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<223> Incyte ID No: 1718047CD1

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Met Ala Leu Leu Lys Ala Asn Lys Asp Leu Ile Ser Ala Gly Leu
  1               5                  10                  15
Lys Glu Phe Ser Val Leu Leu Asn Gln Gln Val Phe Asn Asp Pro
                20                  25                  30
Leu Val Ser Glu Glu Asp Met Val Thr Val Val Glu Asp Trp Met
                35                  40                  45
Asn Phe Tyr Ile Asn Tyr Tyr Arg Gln Gln Val Thr Gly Glu Pro
                50                  55                  60
Gln Glu Arg Asp Lys Ala Leu Gln Glu Leu Arg Gln Glu Leu Asn
                65                  70                  75
Thr Leu Ala Asn Pro Phe Leu Ala Lys Tyr Arg Asp Phe Leu Lys
                80                  85                  90
Ser His Glu Leu Pro Ser His Pro Pro Pro Ser Ser
                95                  100
<210> 3
<211> 205
<212> PRT
<213> Homo sapiens

<220>
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<223> Incyte ID No: 1980323CD1

<400> 3
Met Ala Glu Pro Leu Gln Pro Asp Pro Gly Ala Ala Glu Asp Ala
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  1               5                  10                  15
Ala Ala Gln Ala Val Glu Thr Pro Gly Trp Lys Ala Pro Glu Asp
                20                  25                  30
Ala Gly Pro Gln Pro Gly Ser Tyr Glu Ile Arg His Tyr Gly Pro
                35                  40                  45
Ala Lys Trp Val Ser Thr Ser Val Glu Ser Met Asp Trp Asp Ser
                50                  55                  60
Ala Ile Gln Thr Gly Phe Thr Lys Leu Asn Ser Tyr Ile Gln Gly
                65                  70                  75
Lys Asn Glu Lys Glu Met Lys Ile Lys Met Thr Ala Pro Val Thr
                80                  85                  90
Ser Tyr Val Glu Pro Gly Ser Gly Pro Phe Ser Glu Ser Thr Ile
                95                 100                 105
Thr Ile Ser Leu Tyr Ile Pro Ser Glu Gln Gln Phe Asp Pro Pro
               110                 115                 120
Arg Pro Leu Glu Ser Asp Val Phe Ile Glu Asp Arg Ala Glu Met
               125                 130                 135
Thr Val Phe Val Arg Ser Phe Asp Gly Phe Ser Ser Ala Gln Lys
               140                 145                 150
Asn Gln Glu Gln Leu Leu Thr Leu Ala Ser Ile Leu Arg Glu Asp
               155                 160                 165
Gly Lys Val Phe Asp Glu Lys Val Tyr Tyr Thr Ala Gly Tyr Asn
               170                 175                 180
Ser Pro Val Lys Leu Leu Asn Arg Asn Asn Glu Val Trp Leu Ile
               185                 190                 195
Gln Lys Asn Glu Pro Thr Lys Glu Asn Glu
               200                 205
<210> 4
<211> 120
<212> PRT
<213> Homo sapiens

<220>
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<223> Incyte ID No: 1990956CD1

<400> 4
Met Glu Ser Lys Glu Glu Leu Ala Ala Asn Asn Leu Asn Gly Glu
  1               5                  10                  15
Asn Ala Gln Gln Glu Asn Glu Gly Gly Glu Gln Ala Pro Thr Gln
                20                  25                  30
Asn Glu Glu Glu Ser Arg His Leu Gly Gly Gly Glu Gly Gln Lys
                35                  40                  45
Pro Gly Gly Asn Ile Arg Arg Gly Arg Val Arg Arg Leu Val Pro
                50                  55                  60
Asn Phe Arg Trp Ala Ile Pro Asn Arg His Ile Glu His Asn Glu
                65                  70                  75
Ala Arg Asp Asp Val Glu Arg Phe Val Gly Gln Met Met Glu Ile
                80                  85                  90
Lys Arg Lys Thr Arg Glu Gln Gln Met Arg His Tyr Met Arg Phe
                95                 100                 105
Gln Thr Pro Glu Pro Asp Asn His Tyr Asp Phe Cys Leu Ile Pro
               110                 115                 120

<210> 5
<211> 108
<212> PRT
<213> Homo sapiens

<220>
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Met Ala Lys Val Thr Ser Glu Pro Gln Lys Pro Asn Glu Asp Val
1 5 10 15
Asp Glu His Thr Pro Ser Thr Ser Ser Thr Lys Gly Arg Lys Lys
20 25 30
Gly Lys Thr Pro Arg Gln Arg Arg Ser Arg Ser Gly Val Lys Gly
35 40 45
Leu Lys Thr Thr Arg Lys Ala Lys Arg Pro Leu Arg Gly Ser Ser
50 55 60
Ser Gln Lys Ala Gly Glu Thr Asn Thr Pro Ala Gly Lys Pro Lys
65 70 75
Lys Ala Arg Gly Pro Ile Leu Arg Gly Arg Tyr His Arg Leu Lys
80 85 90
Glu Lys Met Lys Lys Glu Glu Ala Asp Lys Glu Gln Ser Glu Thr
95 100 105
Ser Val Leu

<210> 6
<211> 308
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
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<400> 6
Met Ala Lys Met Glu Leu Ser Lys Ala Phe Ser Gly Gln Arg Thr
1 5 10 15
Leu Leu Ser Ala Ile Leu Ser Met Leu Ser Leu Ser Phe Ser Thr
20 25 30
Thr Ser Leu Leu Ser Asn Tyr Trp Phe Val Gly Thr Gln Lys Val
35 40 45
Pro Lys Pro Leu Cys Glu Lys Gly Leu Ala Ala Lys Cys Phe Asp
50 55 60
Met Pro Val Ser Leu Asp Gly Asp Thr Asn Thr Ser Thr Gln Glu
65 70 75
Val Val Gln Tyr Asn Trp Glu Thr Gly Asp Asp Arg Phe Ser Phe
80 85 90
Arg Ser Phe Arg Ser Gly Met Trp Leu Ser Cys Glu Glu Thr Val
95 100 105
Glu Glu Pro Ala Leu Leu His Pro Gln Ser Trp Lys Gln Phe Arg
110 115 120
Ala Leu Arg Ser Ser Gly Thr Ala Ala Ala Lys Gly Glu Arg Cys
125 130 135
Arg Ser Phe Ile Glu Leu Thr Pro Pro Ala Lys Arg Gly Glu Lys
140 145 150
Gly Leu Leu Glu Phe Ala Thr Leu Gln Gly Pro Cys His Pro Thr
155 160 165
Leu Arg Phe Gly Gly Lys Arg Leu Met Glu Lys Ala Ser Leu Pro
170 175 180
Ser Pro Pro Leu Gly Leu Cys Gly Lys Asn Pro Met Val Ile Pro
185 190 195
Gly Asn Ala Asp His Leu His Arg Thr Ser Ile His Gln Leu Pro
200 205 210
Pro Ala Thr Asn Arg Leu Ala Thr His Trp Glu Pro Cys Leu Trp
215 220 225
Ala Gln Thr Glu Arg Leu Cys Cys Cys Phe Leu Cys Pro Val Arg
230 235 240
Ser Pro Gly Asp Gly Gly Pro His Asp Val Phe Thr Ser Leu Pro
245 250 255
Ser Asp Cys Gln Leu Gly Ser Arg Arg Leu Glu Thr Thr Cys Leu
260 265 270

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Glu Leu Trp Leu Gly Leu Leu His Gly Leu Ala Leu Leu His Leu
                275                 280                 285
Leu His Gly Val Gly Cys His His Leu Gln His Val His Gln Asp
                290                 295                 300
Gly Ala Gly Val Gln Val Gln Ala
                305
<210> 7
<211> 116
<212> PRT
<213> Homo sapiens

<220>
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<223> Incyte ID No: 2027937CD1

<400> 7
Met Ser Phe Ser Glu Gln Gln Cys Lys Gln Pro Cys Val Pro Pro
  1                 5                  10                  15
Pro Cys Leu Pro Lys Thr Gln Glu Gln Cys Gln Ala Lys Ala Glu
                 20                  25                  30
Glu Val Cys Leu Pro Thr Cys Gln His Pro Cys Gln Asp Lys Cys
                 35                  40                  45
Leu Val Gln Ala Gln Glu Val Cys Leu Ser Gln Cys Gln Glu Ser
                 50                  55                  60
Ser Gln Glu Lys Cys Pro Gln Gln Gly Gln Glu Pro Tyr Leu Pro
                 65                  70                  75
Pro Cys Gln Asp Gln Cys Pro Pro Gln Cys Ala Glu Pro Cys Gln
                 80                  85                  90
Glu Leu Phe Gln Thr Lys Cys Val Glu Val Cys Pro Gln Lys Val
                 95                 100                 105
Gln Glu Lys Cys Ser Ser Pro Gly Lys Gly Lys
                110                 115
<210> 8
<211> 1253
<212> PRT
<213> Homo sapiens

<220>
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<400> 8
Met Thr Thr His Val Thr Leu Glu Asp Ala Leu Ser Asn Val Asp
  1                 5                  10                  15
Leu Leu Glu Glu Leu Pro Leu Pro Asp Gln Gln Pro Cys Ile Glu
                 20                  25                  30
Pro Pro Pro Ser Ser Ile Met Tyr Gln Ala Asn Phe Asp Thr Asn
                 35                  40                  45
Phe Glu Asp Arg Asn Ala Phe Val Thr Gly Ile Ala Arg Tyr Ile
                 50                  55                  60
Glu Gln Ala Thr Val His Ser Ser Met Asn Glu Met Leu Glu Glu
                 65                  70                  75
Gly His Glu Tyr Ala Val Met Leu Tyr Thr Trp Arg Ser Cys Ser
                 80                  85                  90
Arg Ala Ile Pro Gln Val Lys Cys Asn Glu Gln Pro Asn Arg Val
                 95                 100                 105
Glu Ile Tyr Glu Lys Thr Val Glu Val Leu Glu Pro Glu Val Thr
                110                 115                 120
Lys Leu Met Lys Phe Met Tyr Phe Gln Arg Lys Ala Ile Glu Arg
                125                 130                 135
Phe Cys Ser Glu Val Lys Arg Leu Cys His Ala Glu Arg Arg Lys
                140                 145                 150
Asp Phe Val Ser Glu Ala Tyr Leu Leu Thr Leu Gly Lys Phe Ile
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                155                 160                 165
Asn Met Phe Ala Val Leu Asp Glu Leu Lys Asn Met Lys Cys Ser
            170                 175                 180
Val Lys Asn Asp His Ser Ala Tyr Lys Arg Ala Ala Gln Phe Leu
        185                 190                 195
Arg Lys Met Ala Asp Pro Gln Ser Ile Gln Glu Ser Gln Asn Leu
    200                 205                 210
Ser Met Phe Leu Ala Asn His Asn Arg Ile Thr Gln Cys Leu His
215                 220                 225
Gln Gln Leu Glu Val Ile Pro Gly Tyr Glu Glu Leu Leu Ala Asp
            230                 235                 240
Ile Val Asn Ile Cys Val Asp Tyr Tyr Glu Asn Lys Met Tyr Leu
        245                 250                 255
Thr Pro Ser Glu Lys His Met Leu Leu Lys Val Met Gly Phe Gly
    260                 265                 270
Leu Tyr Leu Met Asp Gly Asn Val Ser Asn Ile Tyr Lys Leu Asp
275                 280                 285
Ala Lys Lys Arg Ile Asn Leu Ser Lys Ile Asp Lys Phe Phe Lys
            290                 295                 300
Gln Leu Gln Val Val Pro Leu Phe Gly Asp Met Gln Ile Glu Leu
        305                 310                 315
Ala Arg Tyr Ile Lys Thr Ser Ala His Tyr Glu Glu Asn Lys Ser
    320                 325                 330
Lys Trp Thr Cys Thr Gln Ser Ser Ile Ser Pro Gln Tyr Asn Ile
335                 340                 345
Cys Glu Gln Met Val Gln Ile Arg Asp Asp His Ile Arg Phe Ile
            350                 355                 360
Ser Glu Leu Ala Arg Tyr Ser Asn Ser Glu Val Val Thr Gly Ser
        365                 370                 375
Gly Leu Asp Ser Gln Lys Ser Asp Glu Glu Tyr Arg Glu Leu Phe
    380                 385                 390
Asp Leu Ala Leu Arg Gly Leu Gln Leu Leu Ser Lys Trp Ser Ala
395                 400                 405
His Val Met Glu Val Tyr Ser Trp Lys Leu Val His Pro Thr Asp
            410                 415                 420
Lys Phe Cys Asn Lys Asp Cys Pro Gly Thr Ala Glu Glu Tyr Glu
        425                 430                 435
Arg Ala Thr Arg Tyr Asn Tyr Thr Ser Glu Glu Lys Phe Ala Phe
    440                 445                 450
Val Glu Val Ile Ala Met Ile Lys Gly Leu Gln Val Leu Met Gly
455                 460                 465
Arg Met Glu Ser Val Phe Asn Gln Ala Ile Arg Asn Thr Ile Tyr
            470                 475                 480
Ala Ala Leu Gln Asp Phe Ala Gln Val Thr Leu Arg Glu Pro Leu
        485                 490                 495
Arg Gln Ala Val Arg Lys Lys Lys Asn Val Leu Ile Ser Val Leu
    500                 505                 510
Gln Ala Ile Arg Lys Thr Ile Cys Asp Trp Glu Gly Gly Arg Glu
515                 520                 525
Pro Pro Asn Asp Pro Cys Leu Arg Gly Glu Lys Asp Pro Lys Gly
            530                 535                 540
Gly Phe Asp Ile Lys Val Pro Arg Arg Ala Val Gly Pro Ser Ser
        545                 550                 555
Thr Gln Leu Tyr Met Val Arg Thr Met Leu Glu Ser Leu Ile Ala
    560                 565                 570
Asp Lys Ser Gly Ser Lys Lys Thr Leu Arg Ser Ser Leu Asp Gly
575                 580                 585
Pro Ile Val Leu Ala Ile Glu Asp Phe His Lys Gln Ser Phe Phe
            590                 595                 600
Phe Thr His Leu Leu Asn Ile Ser Glu Ala Leu Gln Gln Cys Cys
        605                 610                 615
Asp Leu Ser Gln Leu Trp Phe Arg Glu Phe Phe Leu Glu Leu Thr
    620                 625                 630
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Met Gly Arg Arg Ile Gln Phe Pro Ile Glu Met Ser Met Pro Trp
                635                 640                 645
Ile Leu Thr Asp His Ile Leu Glu Thr Lys Glu Pro Ser Met Met
                650                 655                 660
Glu Tyr Val Leu Tyr Pro Leu Asp Leu Tyr Asn Asp Ser Ala Tyr
                665                 670                 675
Tyr Ala Leu Thr Lys Phe Lys Lys Gln Phe Leu Tyr Asp Glu Ile
                680                 685                 690
Glu Ala Glu Val Asn Leu Cys Phe Asp Gln Phe Val Tyr Lys Leu
                695                 700                 705
Ala Asp Gln Ile Phe Ala Tyr Tyr Lys Ala Met Ala Gly Ser Val
                710                 715                 720
Leu Leu Asp Lys Arg Phe Arg Ala Glu Cys Lys Asn Tyr Gly Val
                725                 730                 735
Ile Ile Pro Tyr Pro Pro Ser Asn Arg Tyr Glu Thr Leu Leu Lys
                740                 745                 750
Gln Arg His Val Gln Leu Leu Gly Arg Ser Ile Asp Leu Asn Arg
                755                 760                 765
Leu Ile Thr Gln Arg Ile Ser Ala Ala Met Tyr Lys Ser Leu Asp
                770                 775                 780
Gln Ala Ile Ser Arg Phe Glu Ser Glu Asp Leu Thr Ser Ile Val
                785                 790                 795
Glu Leu Glu Trp Leu Leu Glu Ile Asn Arg Leu Thr His Arg Leu
                800                 805                 810
Leu Cys Lys His Met Thr Leu Asp Ser Phe Asp Ala Met Phe Arg
                815                 820                 825
Glu Ala Asn His Asn Val Ser Ala Pro Tyr Gly Arg Ile Thr Leu
                830                 835                 840
His Val Phe Trp Glu Leu Asn Phe Asp Phe Leu Pro Asn Tyr Cys
                845                 850                 855
Tyr Asn Gly Ser Thr Asn Arg Phe Val Arg Thr Ala Ile Pro Phe
                860                 865                 870
Thr Gln Glu Pro Gln Arg Asp Lys Pro Ala Asn Val Gln Pro Tyr
                875                 880                 885
Tyr Leu Tyr Gly Ser Lys Pro Leu Asn Ile Ala Tyr Ser His Ile
                890                 895                 900
Tyr Ser Ser Tyr Arg Asn Phe Val Gly Pro Pro His Phe Lys Thr
                905                 910                 915
Ile Cys Arg Leu Leu Gly Tyr Gln Gly Ile Ala Val Val Met Glu
                920                 925                 930
Glu Leu Leu Lys Ile Val Lys Ser Leu Leu Gln Gly Thr Ile Leu
                935                 940                 945
Gln Tyr Val Lys Thr Leu Ile Glu Val Met Pro Lys Ile Cys Arg
                950                 955                 960
Leu Pro Arg His Glu Tyr Gly Ser Pro Gly Ile Leu Glu Phe Phe
                965                 970                 975
His His Gln Leu Lys Asp Ile Ile Glu Tyr Ala Glu Leu Lys Thr
                980                 985                 990
Asp Val Phe Gln Ser Leu Arg Glu Val Gly Asn Ala Ile Leu Phe
                995                1000                1005
Cys Leu Leu Ile Glu Gln Ala Leu Ser Gln Glu Glu Val Cys Asp
               1010                1015                1020
Leu Leu His Ala Ala Pro Phe Gln Asn Ile Leu Pro Arg Val Tyr
               1025                1030                1035
Ile Lys Glu Gly Glu Arg Leu Glu Val Arg Met Lys Arg Leu Glu
               1040                1045                1050
Ala Lys Tyr Ala Pro Leu His Leu Val Pro Leu Ile Glu Arg Leu
               1055                1060                1065
Gly Thr Pro Gln Gln Ile Ala Ile Ala Arg Glu Gly Asp Leu Leu
               1070                1075                1080
Thr Lys Glu Arg Leu Cys Cys Gly Leu Ser Met Phe Glu Val Ile
               1085                1090                1095
Leu Thr Arg Ile Arg Ser Tyr Leu Gln Asp Pro Ile Trp Arg Gly
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                1100                1105                1110
Pro Pro Pro Thr Asn Gly Val Met His Val Asp Glu Cys Val Glu
                1115                1120                1125
Phe His Arg Leu Trp Ser Ala Met Gln Phe Val Tyr Cys Ile Pro
                1130                1135                1140
Val Gly Thr Asn Glu Phe Thr Ala Glu Gln Cys Phe Gly Asp Gly
                1145                1150                1155
Leu Asn Trp Ala Gly Cys Ser Ile Ile Val Leu Leu Gly Gln Gln
                1160                1165                1170
Arg Arg Phe Asp Leu Phe Asp Phe Cys Tyr His Leu Leu Lys Val
                1175                1180                1185
Gln Arg Gln Asp Gly Lys Asp Glu Ile Ile Lys Asn Val Pro Leu
                1190                1195                1200
Lys Lys Met Ala Asp Arg Ile Arg Lys Tyr Gln Ile Leu Asn Asn
                1205                1210                1215
Glu Val Phe Ala Ile Leu Asn Lys Tyr Met Lys Ser Val Glu Thr
                1220                1225                1230
Asp Ser Ser Thr Val Glu His Val Arg Cys Phe Gln Pro Pro Ile
                1235                1240                1245
His Gln Ser Leu Ala Thr Thr Cys
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<211> 98
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<213> Homo sapiens

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Met Ser Val Asp Met Asn Ser Gln Gly Ser Asp Ser Asn Glu Glu
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Asp Tyr Asp Pro Asn Cys Glu Glu Glu Glu Glu Glu Glu Glu Asp
                 20                  25                  30
Asp Pro Gly Asp Ile Glu Asp Tyr Tyr Val Gly Val Ala Ser Asp
                 35                  40                  45
Val Glu Gln Gln Gly Ala Asp Ala Phe Asp Pro Glu Glu Tyr Gln
                 50                  55                  60
Phe Thr Cys Leu Thr Tyr Lys Glu Ser Glu Gly Ala Leu Asn Glu
                 65                  70                  75
His Met Thr Ser Leu Ala Ser Val Leu Lys Val Ser Ser Val Val
                 80                  85                  90
Asn Ser Ser Val Ile Pro Pro Ser
                 95
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<211> 524
<212> PRT
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<220>
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Met Glu Glu Glu Gln Asp Leu Pro Glu Gln Pro Val Lys Lys Ala
  1                 5                  10                  15
Lys Met Gln Glu Ser Gly Glu Gln Thr Ile Ser Gln Val Ser Asn
                 20                  25                  30
Pro Asp Val Ser Asp Gln Lys Pro Glu Thr Ser Ser Leu Ala Ser
                 35                  40                  45
Asn Leu Pro Met Ser Glu Glu Ile Met Thr Cys Thr Asp Tyr Ile
                 50                  55                  60
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Pro Arg Ser Ser Asn Asp Tyr Thr Ser Gln Met Tyr Ser Ala Lys
                65                  70                  75
Pro Tyr Ala His Ile Leu Ser Val Pro Val Ser Glu Thr Ala Tyr
                80                  85                  90
Pro Gly Gln Thr Gln Tyr Gln Thr Leu Gln Gln Thr Gln Pro Tyr
                95                 100                 105
Ala Val Tyr Pro Gln Ala Thr Gln Thr Tyr Gly Leu Pro Pro Phe
               110                 115                 120
Ala Ser Ser Thr Asn Ala Ser Leu Ile Ser Thr Ser Ser Thr Ile
               125                 130                 135
Ala Asn Ile Pro Ala Ala Ala Val Ala Ser Ile Ser Asn Gln Asp
               140                 145                 150
Tyr Pro Thr Tyr Thr Ile Leu Gly Gln Asn Gln Tyr Gln Ala Cys
               155                 160                 165
Tyr Pro Ser Ser Ser Phe Gly Val Thr Gly Gln Thr Asn Ser Asp
               170                 175                 180
Ala Glu Ser Thr Thr Leu Ala Ala Thr Thr Tyr Gln Ser Glu Lys
               185                 190                 195
Pro Ser Val Met Ala Pro Ala Pro Ala Ala Gln Arg Leu Ser Ser
               200                 205                 210
Gly Asp Pro Ser Thr Ser Pro Ser Leu Ser Gln Thr Thr Pro Ser
               215                 220                 225
Lys Asp Thr Asp Asp Gln Ser Arg Lys Asn Met Thr Ser Lys Asn
               230                 235                 240
Arg Gly Lys Arg Lys Ala Asp Ala Thr Ser Ser Gln Asp Ser Glu
               245                 250                 255
Leu Glu Arg Val Phe Leu Trp Asp Leu Asp Glu Thr Ile Ile Ile
               260                 265                 270
Phe His Ser Leu Leu Thr Gly Ser Tyr Ala Gln Lys Tyr Gly Lys
               275                 280                 285
Asp Pro Thr Val Val Ile Gly Ser Gly Leu Thr Met Glu Glu Met
               290                 295                 300
Ile Phe Glu Val Ala Asp Thr His Leu Phe Phe Asn Asp Leu Glu
               305                 310                 315
Glu Cys Asp Gln Val His Val Glu Asp Val Ala Ser Asp Asp Asn
               320                 325                 330
Gly Gln Asp Leu Ser Asn Tyr Ser Phe Ser Thr Asp Gly Phe Ser
               335                 340                 345
Gly Ser Gly Gly Ser Gly Ser His Gly Ser Ser Val Gly Val Gln
               350                 355                 360
Gly Gly Val Asp Trp Met Arg Lys Leu Ala Phe Arg Tyr Arg Lys
               365                 370                 375
Val Arg Glu Ile Tyr Asp Lys His Lys Ser Asn Val Gly Gly Leu
               380                 385                 390
Leu Ser Pro Gln Arg Lys Glu Ala Leu Gln Arg Leu Arg Ala Glu
               395                 400                 405
Ile Glu Val Leu Thr Asp Ser Trp Leu Gly Thr Ala Leu Lys Ser
               410                 415                 420
Leu Leu Leu Ile Gln Ser Arg Lys Asn Cys Val Asn Val Leu Ile
               425                 430                 435
Thr Thr Thr Gln Leu Val Pro Ala Leu Ala Lys Val Leu Leu Tyr
               440                 445                 450
Gly Leu Gly Glu Ile Phe Pro Ile Glu Asn Ile Tyr Ser Ala Thr
               455                 460                 465
Lys Ile Gly Lys Glu Ser Cys Phe Glu Arg Ile Val Ser Arg Phe
               470                 475                 480
Gly Lys Lys Val Thr Tyr Val Val Ile Gly Asp Gly Arg Asp Ala
               485                 490                 495
Ala Lys Gln His Asn Met Pro Phe Trp Arg Ile Thr Asn His Gly
               500                 505                 510
Asp Leu Val Ser Leu His Gln Ala Leu Glu Leu Asp Phe Leu
               515                 520
<210> 11
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<211> 628
<212> PRT
<213> Homo sapiens

<220>
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<400> 11

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Pro Gly Pro Gly Ala Val Ala Asn Ala Thr Gly Ala Glu Glu Gly
             20                  25                  30
Glu Met Lys Pro Val Ala Ala Gly Ala Ala Ala Pro Pro Gly Glu
             35                  40                  45
Gly Ile Ser Ala Ala Pro Thr Val Glu Pro Ser Ser Gly Glu Ala
             50                  55                  60
Glu Gly Gly Glu Ala Asn Leu Val Asp Val Ser Gly Gly Leu Glu
             65                  70                  75
Thr Glu Ser Ser Asn Gly Lys Asp Thr Leu Glu Gly Ala Gly Asp
             80                  85                  90
Thr Ser Glu Val Met Asp Thr Gln Ala Gly Ser Val Asp Glu Glu
             95                 100                 105
Asn Gly Arg Gln Leu Gly Glu Val Glu Leu Gln Cys Gly Ile Cys
            110                 115                 120
Thr Lys Trp Phe Thr Ala Asp Thr Phe Gly Ile Asp Thr Ser Ser
            125                 130                 135
Cys Leu Pro Phe Met Thr Asn Tyr Ser Phe His Cys Asn Val Cys
            140                 145                 150
His His Ser Gly Asn Thr Tyr Phe Leu Arg Lys Gln Ala Asn Leu
            155                 160                 165
Lys Glu Met Cys Leu Ser Ala Leu Ala Asn Leu Thr Trp Gln Ser
            170                 175                 180
Arg Thr Gln Asp Glu His Pro Lys Thr Met Phe Ser Lys Asp Lys
            185                 190                 195
Asp Ile Ile Pro Phe Ile Asp Lys Tyr Trp Glu Cys Met Thr Thr
            200                 205                 210
Arg Gln Arg Pro Gly Lys Met Thr Trp Pro Asn Asn Ile Val Lys
            215                 220                 225
Thr Met Ser Lys Glu Arg Asp Val Phe Leu Val Lys Glu His Pro
            230                 235                 240
Asp Pro Gly Ser Lys Asp Pro Glu Glu Asp Tyr Pro Lys Phe Gly
            245                 250                 255
Leu Leu Asp Gln Asp Leu Ser Asn Ile Gly Pro Ala Tyr Asp Asn
            260                 265                 270
Gln Lys Gln Ser Ser Ala Val Ser Thr Ser Gly Asn Leu Asn Gly
            275                 280                 285
Gly Ile Ala Ala Gly Ser Ser Gly Lys Gly Arg Gly Ala Lys Arg
            290                 295                 300
Lys Gln Gln Asp Gly Gly Thr Thr Gly Thr Thr Lys Lys Ala Arg
            305                 310                 315
Ser Asp Pro Leu Phe Ser Ala Gln Arg Leu Pro Pro His Gly Tyr
            320                 325                 330
Pro Leu Glu His Pro Phe Asn Lys Asp Gly Tyr Arg Tyr Ile Leu
            335                 340                 345
Ala Glu Pro Asp Pro His Ala Pro Asp Pro Glu Lys Leu Glu Leu
            350                 355                 360
Asp Cys Trp Ala Gly Lys Pro Ile Pro Gly Asp Leu Tyr Arg Ala
            365                 370                 375
Cys Leu Tyr Glu Arg Val Leu Leu Ala Leu His Asp Arg Ala Pro
            380                 385                 390
Gln Leu Lys Ile Ser Asp Asp Arg Leu Thr Val Val Gly Glu Lys
            395                 400                 405
```

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Gly Tyr Ser Met Val Arg Ala Ser His Gly Val Arg Lys Gly Ala
                410                 415                 420
Trp Tyr Phe Glu Ile Thr Val Asp Glu Met Pro Pro Asp Thr Ala
                425                 430                 435
Ala Arg Leu Gly Trp Ser Gln Pro Leu Gly Asn Leu Gln Ala Pro
                440                 445                 450
Leu Gly Tyr Asp Lys Phe Ser Tyr Ser Trp Arg Ser Lys Lys Gly
                455                 460                 465
Thr Lys Phe His Gln Ser Ile Gly Lys His Tyr Ser Ser Gly Tyr
                470                 475                 480
Gly Gln Gly Asp Val Leu Gly Phe Tyr Ile Asn Leu Pro Glu Asp
                485                 490                 495
Thr Glu Thr Ala Lys Ser Leu Pro Asp Thr Tyr Lys Asp Lys Ala
                500                 505                 510
Leu Ile Lys Phe Lys Ser Tyr Leu Tyr Phe Glu Glu Lys Asp Phe
                515                 520                 525
Val Asp Lys Ala Glu Lys Ser Leu Lys Gln Thr Pro His Ser Glu
                530                 535                 540
Ile Ile Phe Tyr Lys Asn Gly Val Asn Gln Gly Val Ala Tyr Lys
                545                 550                 555
Asp Ile Phe Glu Gly Val Tyr Phe Pro Ala Ile Ser Leu Tyr Lys
                560                 565                 570
Ser Cys Thr Val Ser Ile Asn Phe Gly Pro Cys Phe Lys Tyr Pro
                575                 580                 585
Pro Lys Asp Leu Thr Tyr Arg Pro Met Ser Asp Met Gly Trp Gly
                590                 595                 600
Ala Val Val Glu His Thr Leu Ala Asp Val Leu Tyr His Val Glu
                605                 610                 615
Thr Glu Val Asp Gly Arg Arg Ser Pro Pro Trp Glu Pro
                620                 625
<210> 12
<211> 259
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2956153CD1

<400> 12
Met Asn Leu Val Asp Leu Trp Leu Thr Arg Ser Leu Ser Met Cys
  1               5                  10                  15
Leu Leu Leu Gln Ser Phe Val Leu Met Ile Leu Cys Phe His Ser
                20                  25                  30
Ala Ser Met Cys Pro Lys Gly Cys Leu Cys Ser Ser Ser Gly Gly
                35                  40                  45
Leu Asn Val Thr Cys Ser Asn Ala Asn Leu Lys Glu Ile Pro Arg
                50                  55                  60
Asp Leu Pro Pro Glu Thr Val Leu Leu Tyr Leu Asp Ser Asn Gln
                65                  70                  75
Ile Thr Ser Ile Pro Asn Glu Ile Phe Lys Asp Leu His Gln Leu
                80                  85                  90
Arg Val Leu Asn Leu Ser Lys Asn Gly Ile Glu Phe Ile Asp Glu
                95                 100                 105
His Ala Phe Lys Gly Val Ala Glu Thr Leu Gln Thr Leu Asp Leu
                110                 115                 120
Ser Asp Asn Arg Ile Gln Ser Val His Lys Asn Ala Phe Asn Asn
                125                 130                 135
Leu Lys Ala Arg Ala Arg Ile Ala Asn Asn Pro Trp His Cys Asp
                140                 145                 150
Cys Thr Leu Gln Gln Val Leu Arg Ser Met Ala Ser Asn His Glu
                155                 160                 165
Thr Ala His Asn Val Ile Cys Lys Thr Ser Val Leu Asp Glu His
```

```
                170                 175                 180
Ala Gly Arg Pro Phe Leu Asn Ala Ala Asn Asp Ala Asp Leu Cys
                185                 190                 195
Asn Leu Pro Lys Lys Thr Thr Asp Tyr Ala Met Leu Val Thr Met
                200                 205                 210
Phe Gly Trp Phe Thr Met Val Ile Ser Tyr Val Val Tyr Tyr Val
                215                 220                 225
Arg Gln Asn Gln Glu Asp Ala Arg Arg His Leu Glu Tyr Leu Lys
                230                 235                 240
Ser Leu Pro Ser Arg Gln Lys Lys Ala Asp Glu Pro Asp Asp Ile
                245                 250                 255
Ser Thr Val Val
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<210> 13
<211> 380
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3333139CD1

<400> 13

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Met Ala Ala Pro Trp Trp Arg Ala Ala Leu Cys Glu Cys Arg Arg
  1               5                  10                  15
Trp Arg Gly Phe Ser Thr Ser Ala Val Leu Gly Arg Arg Thr Pro
                20                  25                  30
Pro Leu Gly Pro Met Pro Asn Ser Asp Ile Asp Leu Ser Asn Leu
                35                  40                  45
Glu Arg Leu Glu Lys Tyr Arg Ser Phe Asp Arg Tyr Arg Arg Arg
                50                  55                  60
Ala Glu Gln Glu Ala Gln Ala Pro His Trp Trp Arg Thr Tyr Arg
                65                  70                  75
Glu Tyr Phe Gly Glu Lys Thr Asp Pro Lys Glu Lys Ile Asp Ile
                80                  85                  90
Gly Leu Pro Pro Pro Lys Val Ser Arg Thr Gln Gln Leu Leu Glu
                95                 100                 105
Arg Lys Gln Ala Ile Gln Glu Leu Arg Ala Asn Val Glu Glu Glu
                110                 115                 120
Arg Ala Ala Arg Leu Arg Thr Ala Ser Val Pro Leu Asp Ala Val
                125                 130                 135
Arg Ala Glu Trp Glu Arg Thr Cys Gly Pro Tyr His Lys Gln Arg
                140                 145                 150
Leu Ala Glu Tyr Tyr Gly Leu Tyr Arg Asp Leu Phe His Gly Ala
                155                 160                 165
Thr Phe Val Pro Arg Val Pro Leu His Val Ala Tyr Ala Val Gly
                170                 175                 180
Glu Asp Asp Leu Met Pro Val Tyr Cys Gly Asn Glu Val Thr Pro
                185                 190                 195
Thr Glu Ala Ala Gln Ala Pro Glu Val Thr Tyr Glu Ala Glu Glu
                200                 205                 210
Gly Ser Leu Trp Thr Leu Leu Leu Thr Ser Leu Asp Gly His Leu
                215                 220                 225
Leu Glu Pro Asp Ala Glu Tyr Leu His Trp Leu Leu Thr Asn Ile
                230                 235                 240
Pro Gly Asn Arg Val Ala Glu Gly Gln Val Thr Cys Pro Tyr Leu
                245                 250                 255
Pro Pro Phe Pro Ala Arg Gly Ser Gly Ile His Arg Leu Ala Phe
                260                 265                 270
Leu Leu Phe Lys Gln Asp Gln Pro Ile Asp Phe Ser Glu Asp Ala
                275                 280                 285
Arg Pro Ser Pro Cys Tyr Gln Leu Ala Gln Arg Thr Phe Arg Thr
                290                 295                 300
```

```
Phe Asp Phe Tyr Lys Lys His Gln Glu Thr Met Thr Pro Ala Gly
                305                 310                 315
Leu Ser Phe Phe Gln Cys Arg Trp Asp Asp Ser Val Thr Tyr Ile
                320                 325                 330
Phe His Gln Leu Leu Asp Met Arg Glu Pro Val Phe Glu Phe Val
                335                 340                 345
Arg Pro Pro Pro Tyr His Pro Lys Gln Lys Arg Phe Pro His Arg
                350                 355                 360
Gln Pro Leu Arg Tyr Leu Asp Arg Tyr Arg Asp Ser His Glu Pro
                365                 370                 375
Thr Tyr Gly Ile Tyr
                380
<210> 14
<211> 130
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3432292CD1

<400> 14
Met Ser Cys Gln Gln Asn Gln Gln Gln Cys Gln Pro Pro Pro Lys
  1                 5                  10                  15
Cys Pro Pro Lys Cys Pro Pro Lys Cys Pro Pro Lys Cys Arg Pro
                 20                  25                  30
Gln Cys Pro Ala Pro Cys Pro Pro Pro Val Ser Ser Cys Cys Gly
                 35                  40                  45
Pro Ser Ser Gly Gly Cys Cys Gly Ser Ser Ser Gly Gly Cys Cys
                 50                  55                  60
Ser Ser Gly Gly Gly Gly Cys Cys Leu Ser His His Arg Pro Arg
                 65                  70                  75
Leu Phe His Arg His Arg His Gln Ser Pro Asp Cys Cys Glu Ser
                 80                  85                  90
Glu Leu Leu Gly Ala Leu Ala Ala Ser Thr Ala Leu Gly Thr Ala
                 95                 100                 105
Ala Asp Gln Thr Ser Asn Ile Thr Glu Gln Ala Phe Met Glu Lys
                110                 115                 120
Thr Cys Lys Arg Gly Thr Cys Pro Gln Glu
                125                 130
<210> 15
<211> 761
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3478571CD1

<400> 15
Met Ser Leu Arg Ile Asp Val Asp Thr Asn Phe Pro Glu Cys Val
  1                 5                  10                  15
Val Asp Ala Gly Lys Val Thr Leu Gly Thr Gln Gln Arg Gln Glu
                 20                  25                  30
Met Asp Pro Arg Leu Arg Glu Lys Gln Asn Glu Ile Ile Leu Arg
                 35                  40                  45
Ala Val Cys Ala Leu Leu Asn Ser Gly Gly Gly Ile Ile Lys Ala
                 50                  55                  60
Glu Ile Glu Asn Lys Gly Tyr Asn Tyr Glu Arg His Gly Val Gly
                 65                  70                  75
Leu Asp Val Pro Pro Ile Phe Arg Ser His Leu Asp Lys Met Gln
                 80                  85                  90
Lys Glu Asn His Phe Leu Ile Phe Val Lys Ser Trp Asn Thr Glu
```

```
                 95                  100                 105
Ala Gly Val Pro Leu Ala Thr Leu Cys Ser Asn Leu Tyr His Arg
                110                 115                 120
Glu Arg Thr Ser Thr Asp Val Met Asp Ser Gln Glu Ala Leu Ala
                125                 130                 135
Phe Leu Lys Cys Arg Thr Gln Thr Pro Thr Asn Ile Asn Val Ser
                140                 145                 150
Asn Ser Leu Gly Pro Gln Ala Ala Gln Gly Ser Val Gln Tyr Glu
                155                 160                 165
Gly Asn Ile Asn Val Ser Ala Ala Ala Leu Phe Asp Arg Lys Arg
                170                 175                 180
Leu Gln Tyr Leu Glu Lys Leu Asn Leu Pro Glu Ser Thr His Val
                185                 190                 195
Glu Phe Val Met Phe Ser Thr Asp Val Ser His Cys Val Lys Asp
                200                 205                 210
Arg Leu Pro Lys Cys Val Ser Ala Phe Ala Asn Thr Glu Gly Gly
                215                 220                 225
Tyr Val Phe Phe Gly Val His Asp Glu Thr Cys Gln Val Ile Gly
                230                 235                 240
Cys Glu Lys Glu Lys Ile Asp Leu Thr Ser Leu Arg Ala Ser Ile
                245                 250                 255
Asp Gly Cys Ile Lys Lys Leu Pro Val His His Phe Cys Thr Gln
                260                 265                 270
Arg Pro Glu Ile Lys Tyr Val Leu Asn Phe Leu Glu Val His Asp
                275                 280                 285
Lys Gly Ala Leu Arg Gly Tyr Val Cys Ala Ile Lys Val Glu Lys
                290                 295                 300
Phe Cys Cys Ala Val Phe Ala Lys Val Pro Ser Ser Trp Gln Val
                305                 310                 315
Lys Asp Asn Arg Val Arg Gln Leu Pro Thr Arg Glu Trp Thr Ala
                320                 325                 330
Trp Met Met Glu Ala Asp Pro Asp Leu Ser Arg Cys Pro Glu Met
                335                 340                 345
Val Leu Gln Leu Ser Leu Ser Ser Ala Thr Pro Arg Ser Lys Pro
                350                 355                 360
Val Cys Ile His Lys Asn Ser Glu Cys Leu Lys Glu Gln Gln Lys
                365                 370                 375
Arg Tyr Phe Pro Val Phe Ser Asp Arg Val Val Tyr Thr Pro Glu
                380                 385                 390
Ser Leu Tyr Lys Glu Leu Phe Ser Gln His Lys Gly Leu Arg Asp
                395                 400                 405
Leu Ile Asn Thr Glu Met Arg Pro Phe Ser Gln Gly Ile Leu Ile
                410                 415                 420
Phe Ser Gln Ser Trp Ala Val Asp Leu Gly Leu Gln Glu Lys Gln
                425                 430                 435
Gly Val Ile Cys Asp Ala Leu Leu Ile Ser Gln Asn Asn Thr Pro
                440                 445                 450
Ile Leu Tyr Thr Ile Phe Ser Lys Trp Asp Ala Gly Cys Lys Gly
                455                 460                 465
Tyr Ser Met Ile Val Ala Tyr Ser Leu Lys Gln Lys Leu Val Asn
                470                 475                 480
Lys Gly Gly Tyr Thr Gly Arg Leu Cys Ile Thr Pro Leu Val Cys
                485                 490                 495
Val Leu Asn Ser Asp Arg Lys Ala Gln Ser Val Tyr Ser Ser Tyr
                500                 505                 510
Leu Gln Ile Tyr Pro Glu Ser Tyr Asn Phe Met Thr Pro Gln His
                515                 520                 525
Met Glu Ala Leu Leu Gln Ser Leu Val Ile Val Leu Leu Gly Phe
                530                 535                 540
Lys Ser Phe Leu Ser Glu Glu Leu Gly Ser Glu Val Leu Asn Leu
                545                 550                 555
Leu Thr Asn Lys Gln Tyr Glu Leu Leu Ser Lys Asn Leu Arg Lys
                560                 565                 570
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Thr Arg Glu Leu Phe Val His Gly Leu Pro Gly Ser Gly Lys Thr
                575                 580                 585
Ile Leu Ala Leu Arg Ile Met Glu Lys Ile Arg Asn Val Phe His
                590                 595                 600
Cys Glu Pro Ala Asn Ile Leu Tyr Ile Cys Glu Asn Gln Pro Leu
                605                 610                 615
Lys Lys Leu Val Ser Phe Ser Lys Lys Asn Ile Cys Gln Pro Val
                620                 625                 630
Thr Arg Lys Thr Phe Met Lys Asn Asn Phe Glu His Ile Gln His
                635                 640                 645
Ile Ile Ile Asp Asp Ala Gln Asn Phe Arg Thr Glu Asp Gly Asp
                650                 655                 660
Trp Tyr Gly Lys Ala Lys Phe Ile Thr Gln Thr Ala Arg Asp Gly
                665                 670                 675
Pro Gly Val Leu Trp Ile Phe Leu Asp Tyr Phe Gln Thr Tyr His
                680                 685                 690
Leu Ser Cys Ser Gly Leu Pro Pro Pro Ser Asp Gln Tyr Pro Arg
                695                 700                 705
Glu Glu Ile Asn Arg Val Val Arg Asn Ala Gly Pro Ile Ala Asn
                710                 715                 720
Tyr Leu Gln Gln Val Met Gln Glu Ala Arg Gln Asn Pro Pro Pro
                725                 730                 735
Asn Leu Pro Pro Gly Ser Leu Val Met Leu Tyr Glu Pro Lys Trp
                740                 745                 750
Ala Gln Gly Cys Pro Arg Gln Leu Arg Asp Tyr
                755                 760
<210> 16
<211> 197
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3495166CD1

<400> 16
Met Ser Ser Ala Pro Ala Ser Gly Pro Ala Pro Ala Ser Leu Thr
  1                 5                  10                  15
Leu Trp Asp Glu Glu Asp Phe Gln Gly Arg Arg Cys Arg Leu Leu
                 20                  25                  30
Ser Asp Cys Ala Asn Val Cys Glu Arg Gly Gly Leu Pro Arg Val
                 35                  40                  45
Arg Ser Val Lys Val Glu Asn Gly Val Trp Val Ala Phe Glu Tyr
                 50                  55                  60
Pro Asp Phe Gln Gly Gln Gln Phe Ile Leu Glu Lys Gly Asp Tyr
                 65                  70                  75
Pro Arg Trp Ser Ala Trp Ser Gly Ser Ser Ser His Asn Ser Asn
                 80                  85                  90
Gln Leu Leu Ser Phe Arg Pro Val Leu Cys Ala Asn His Asn Asp
                 95                 100                 105
Ser Arg Val Thr Leu Phe Glu Gly Asp Asn Phe Gln Gly Cys Lys
                110                 115                 120
Phe Asp Leu Val Asp Asp Tyr Pro Ser Leu Pro Ser Met Gly Trp
                125                 130                 135
Ala Ser Lys Asp Val Gly Ser Leu Lys Val Ser Ser Gly Ala Trp
                140                 145                 150
Val Ala Tyr Gln Tyr Pro Gly Tyr Arg Gly Tyr Gln Tyr Val Leu
                155                 160                 165
Glu Arg Asp Arg His Ser Gly Glu Phe Cys Thr Tyr Gly Glu Leu
                170                 175                 180
Gly Thr Gln Ala His Thr Gly Gln Leu Gln Ser Ile Arg Arg Val
                185                 190                 195
Gln His
```

<210> 17
<211> 339
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3554748CD1

<400> 17
Met Pro Glu Cys Trp Asp Gly Glu His Asp Ile Glu Thr Pro Tyr
1 5 10 15
Gly Leu Leu His Val Val Ile Arg Gly Ser Pro Lys Gly Asn Arg
20 25 30
Pro Ala Ile Leu Thr Tyr His Asp Val Gly Leu Asn His Lys Leu
35 40 45
Cys Phe Asn Thr Phe Phe Asn Phe Glu Asp Met Gln Glu Ile Thr
50 55 60
Lys His Phe Val Val Cys His Val Asp Ala Pro Gly Gln Gln Val
65 70 75
Gly Ala Ser Gln Phe Pro Gln Gly Tyr Gln Phe Pro Ser Met Glu
80 85 90
Gln Leu Ala Ala Met Leu Pro Ser Val Val Gln His Phe Gly Phe
95 100 105
Lys Tyr Val Ile Gly Ile Gly Val Gly Ala Gly Ala Tyr Val Leu
110 115 120
Ala Lys Phe Ala Leu Ile Phe Pro Asp Leu Val Glu Gly Leu Val
125 130 135
Leu Val Asn Ile Asp Pro Asn Gly Lys Gly Trp Ile Asp Trp Ala
140 145 150
Ala Thr Lys Leu Ser Gly Leu Thr Ser Thr Leu Pro Asp Thr Val
155 160 165
Leu Ser His Leu Phe Ser Gln Glu Glu Leu Val Asn Asn Thr Glu
170 175 180
Leu Val Gln Ser Tyr Arg Gln Gln Ile Gly Asn Val Val Asn Gln
185 190 195
Ala Asn Leu Gln Leu Phe Trp Asn Met Tyr Asn Ser Arg Arg Asp
200 205 210
Leu Asp Ile Asn Arg Pro Gly Thr Val Pro Asn Ala Lys Thr Leu
215 220 225
Arg Cys Pro Val Met Leu Val Val Gly Asp Asn Ala Pro Ala Glu
230 235 240
Asp Gly Val Val Glu Cys Asn Ser Lys Leu Asp Pro Thr Thr Thr
245 250 255
Thr Phe Leu Lys Met Ala Asp Ser Gly Gly Leu Pro Gln Val Thr
260 265 270
Gln Pro Gly Lys Leu Thr Glu Ala Phe Lys Tyr Phe Leu Gln Gly
275 280 285
Met Gly Tyr Met Pro Ser Ala Ser Met Thr Arg Leu Ala Arg Ser
290 295 300
Arg Thr Ala Ser Leu Thr Ser Ala Ser Ser Val Asp Gly Ser Arg
305 310 315
Pro Gln Ala Cys Thr His Ser Glu Ser Ser Glu Gly Leu Gly Gln
320 325 330
Val Asn His Thr Met Glu Val Ser Cys
335

<210> 18
<211> 109
<212> PRT
<213> Homo sapiens

<220>

<221> misc_feature
<223> Incyte ID No: 3555629CD1

<400> 18
Met Glu Arg Gln Gln Gln Gln Gln Gln Leu Arg Asn Leu Arg
1 5 10 15
Asp Phe Leu Leu Val Tyr Asn Arg Met Thr Glu Leu Cys Phe Gln
20 25 30
Arg Cys Val Pro Ser Leu His His Arg Ala Leu Asp Ala Glu Glu
35 40 45
Glu Ala Cys Val Pro Ser Cys Ala Gly Lys Leu Ile His Ser Asn
50 55 60
His Arg Leu Met Ala Ala Tyr Val Gln Leu Met Pro Ala Leu Val
65 70 75
Gln Arg Arg Ile Ala Asp Tyr Glu Ala Ala Ser Ala Val Pro Gly
80 85 90
Val Ala Ala Glu Gln Pro Gly Val Ser Pro Ser Gly Ser Ser Asp
95 100 105
Unk Unk Unk Unk

<210> 19
<211> 131
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 639636CD1

<400> 19
Met Thr Lys Lys Lys Val Ser Gln Lys Lys Gln Arg Gly Arg Pro
1 5 10 15
Ser Ser Gln Pro Arg Arg Asn Ile Val Gly Cys Arg Ile Ser His
20 25 30
Gly Trp Lys Glu Gly Asp Glu Pro Ile Thr Gln Trp Lys Gly Thr
35 40 45
Val Leu Asp Gln Leu Leu Asp Asp Tyr Lys Glu Gly Asp Leu Arg
50 55 60
Ile Met Pro Glu Ser Ser Glu Ser Pro Pro Thr Glu Arg Glu Pro
65 70 75
Gly Gly Val Val Asp Gly Leu Ile Gly Lys His Val Glu Tyr Thr
80 85 90
Lys Glu Asp Gly Ser Lys Arg Ile Gly Met Val Ile His Gln Val
95 100 105
Glu Ala Lys Pro Ser Val Tyr Phe Ile Lys Phe Asp Asp Asp Phe
110 115 120
His Ile Tyr Val Tyr Asp Leu Val Lys Lys Ser
125 130

<210> 20
<211> 194
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 902218CD1

<400> 20
Met Gly Ala Asn Gln Leu Val Val Leu Asn Val Tyr Asp Met Tyr
1 5 10 15
Trp Met Asn Glu Tyr Thr Ser Ser Ile Gly Ile Gly Val Phe His
20 25 30
Ser Gly Ile Glu Val Tyr Gly Arg Glu Phe Ala Tyr Gly Gly His

```
                35                  40                  45
Pro Tyr Pro Phe Ser Gly Ile Phe Glu Ile Ser Pro Gly Asn Ala
                50                  55                  60
Ser Glu Leu Gly Glu Thr Phe Lys Phe Lys Glu Ala Val Val Leu
                65                  70                  75
Gly Ser Thr Asp Phe Leu Glu Asp Asp Ile Glu Lys Ile Val Glu
                80                  85                  90
Glu Leu Gly Lys Glu Tyr Lys Gly Asn Ala Tyr His Leu Met His
                95                 100                 105
Lys Asn Cys Asn His Phe Ser Ser Ala Leu Ser Glu Ile Leu Cys
               110                 115                 120
Gly Lys Glu Ile Pro Arg Trp Ile Asn Arg Leu Ala Tyr Phe Ser
               125                 130                 135
Ser Cys Ile Pro Phe Leu Gln Ser Cys Leu Pro Lys Glu Trp Leu
               140                 145                 150
Thr Pro Ala Ala Leu Gln Ser Ser Val Ser Gln Glu Leu Gln Asp
               155                 160                 165
Glu Leu Glu Glu Ala Glu Asp Ala Ala Ala Ser Ala Ser Val Ala
               170                 175                 180
Ser Thr Ala Ala Gly Ser Arg Pro Gly Arg His Thr Lys Leu
               185                 190
<210> 21
<211> 184
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1360522CD1

<400> 21
Met Ala Thr Ala Leu Ala Leu Arg Ser Leu Tyr Arg Ala Arg Pro
  1                 5                  10                  15
Ser Leu Arg Cys Pro Pro Val Glu Leu Pro Trp Ala Pro Arg Arg
                20                  25                  30
Gly His Arg Leu Ser Pro Ala Asp Asp Glu Leu Tyr Gln Arg Thr
                35                  40                  45
Arg Ile Ser Leu Leu Gln Arg Glu Ala Ala Gln Ala Met Tyr Ile
                50                  55                  60
Asp Ser Tyr Asn Ser Arg Gly Phe Met Ile Asn Gly Asn Arg Val
                65                  70                  75
Leu Gly Pro Cys Ala Leu Leu Pro His Ser Val Val Gln Trp Asn
                80                  85                  90
Val Gly Ser His Gln Asp Ile Thr Glu Asp Ser Phe Ser Leu Phe
                95                 100                 105
Trp Leu Leu Glu Pro Arg Ile Glu Ile Val Val Val Gly Thr Gly
               110                 115                 120
Asp Arg Thr Glu Arg Leu Gln Ser Gln Val Leu Gln Ala Met Arg
               125                 130                 135
Gln Arg Gly Ile Ala Val Glu Val Gln Asp Thr Pro Asn Ala Cys
               140                 145                 150
Ala Thr Phe Asn Phe Leu Cys His Glu Gly Arg Val Thr Gly Ala
               155                 160                 165
Ala Leu Ile Pro Pro Pro Gly Gly Thr Ser Leu Thr Ser Leu Gly
               170                 175                 180
Gln Ala Ala Gln

<210> 22
<211> 528
<212> PRT
<213> Homo sapiens

<220>
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<221> misc_feature
<223> Incyte ID No: 1400678CD1

<400> 22

```
Met Ala Ser Met Arg Glu Ser Asp Thr Gly Leu Trp Leu His Asn
  1               5                  10                  15
Lys Leu Gly Ala Thr Asp Glu Leu Trp Ala Pro Pro Ser Ile Ala
             20                  25                  30
Ser Leu Leu Thr Ala Ala Val Ile Asp Asn Ile Arg Leu Cys Phe
             35                  40                  45
His Gly Leu Ser Ser Ala Val Lys Leu Lys Leu Leu Leu Gly Thr
             50                  55                  60
Leu His Leu Pro Arg Arg Thr Val Asp Glu Met Lys Gly Ala Leu
             65                  70                  75
Met Glu Ile Ile Gln Leu Ala Ser Leu Asp Ser Asp Pro Trp Val
             80                  85                  90
Leu Met Val Ala Asp Ile Leu Lys Ser Phe Pro Asp Thr Gly Ser
             95                 100                 105
Leu Asn Leu Glu Leu Glu Glu Gln Asn Pro Asn Val Gln Asp Ile
            110                 115                 120
Leu Gly Glu Leu Arg Glu Lys Val Gly Glu Cys Glu Ala Ser Ala
            125                 130                 135
Met Leu Pro Leu Glu Cys Gln Tyr Leu Asn Lys Asn Ala Leu Thr
            140                 145                 150
Thr Leu Ala Gly Pro Leu Thr Pro Pro Val Lys His Phe Gln Leu
            155                 160                 165
Lys Arg Lys Pro Lys Ser Ala Thr Leu Arg Ala Glu Leu Leu Gln
            170                 175                 180
Lys Ser Thr Glu Thr Ala Gln Gln Leu Lys Arg Ser Ala Gly Val
            185                 190                 195
Pro Phe His Ala Lys Gly Arg Gly Leu Leu Arg Lys Met Asp Thr
            200                 205                 210
Thr Thr Pro Leu Lys Gly Ile Pro Lys Gln Ala Pro Phe Arg Ser
            215                 220                 225
Pro Thr Ala Pro Ser Val Phe Ser Pro Thr Gly Asn Arg Thr Pro
            230                 235                 240
Ile Pro Pro Ser Arg Thr Leu Leu Arg Lys Glu Arg Gly Val Lys
            245                 250                 255
Leu Leu Asp Ile Ser Glu Leu Asp Met Val Gly Ala Gly Arg Glu
            260                 265                 270
Ala Lys Arg Arg Arg Lys Thr Leu Asp Ala Glu Val Val Glu Lys
            275                 280                 285
Pro Ala Lys Glu Glu Thr Val Val Glu Asn Ala Thr Pro Asp Tyr
            290                 295                 300
Ala Ala Gly Leu Val Ser Thr Gln Lys Leu Gly Ser Leu Asn Asn
            305                 310                 315
Glu Pro Ala Leu Pro Ser Thr Ser Tyr Leu Pro Ser Thr Pro Ser
            320                 325                 330
Val Val Pro Ala Ser Ser Tyr Ile Pro Ser Ser Glu Thr Pro Pro
            335                 340                 345
Ala Pro Ser Ser Arg Glu Ala Ser Arg Pro Pro Glu Glu Pro Ser
            350                 355                 360
Ala Pro Ser Pro Thr Leu Pro Ala Gln Phe Lys Gln Arg Ala Pro
            365                 370                 375
Met Tyr Asn Ser Gly Leu Ser Pro Ala Thr Pro Thr Pro Ala Ala
            380                 385                 390
Pro Thr Ser Pro Leu Thr Pro Thr Thr Pro Pro Ala Val Ala Pro
            395                 400                 405
Thr Thr Gln Thr Pro Pro Val Ala Met Val Ala Pro Gln Thr Gln
            410                 415                 420
Ala Pro Ala Gln Gln Gln Pro Lys Lys Asn Leu Ser Leu Thr Arg
            425                 430                 435
Glu Gln Met Phe Ala Ala Gln Glu Met Phe Lys Thr Ala Asn Lys
```

```
                440                 445                 450
Val Thr Arg Pro Glu Lys Ala Leu Ile Leu Gly Phe Met Ala Gly
                455                 460                 465
Ser Arg Glu Asn Pro Cys Gln Glu Gln Gly Asp Val Ile Gln Ile
                470                 475                 480
Lys Leu Ser Glu His Thr Glu Asp Leu Pro Lys Ala Asp Gly Gln
                485                 490                 495
Gly Ser Thr Thr Met Leu Val Asp Thr Val Phe Glu Met Asn Tyr
                500                 505                 510
Ala Thr Gly Gln Trp Thr Arg Phe Lys Lys Tyr Lys Pro Met Thr
                515                 520                 525
Asn Val Ser
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<210> 23
<211> 298
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1435556CD1

<400> 23

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Met Thr Thr Ile Tyr Asp Leu Lys Lys Gln Lys Asp Lys Leu Leu
  1                 5                  10                  15
Lys Phe Tyr Ala Glu Ser Asp Glu Gln Ile Leu Met Lys Asn Arg
                 20                  25                  30
Lys Thr Leu His Lys Ala Lys Asn Glu Asp Leu Asp Arg Val Leu
                 35                  40                  45
Lys Glu Trp Ile Arg Gln Arg Arg Ser Glu His Met Pro Leu Asn
                 50                  55                  60
Gly Met Leu Ile Met Lys Gln Ala Lys Ile Tyr His Asn Glu Leu
                 65                  70                  75
Lys Ile Glu Gly Asn Cys Glu Tyr Ser Thr Gly Trp Leu Gln Lys
                 80                  85                  90
Phe Lys Lys Arg His Gly Ile Lys Phe Leu Lys Thr Cys Gly Asn
                 95                 100                 105
Lys Ala Ser Ala Gly His Glu Ala Thr Glu Lys Phe Thr Gly Asn
                110                 115                 120
Phe Ser Asn Asp Asp Glu Gln Asp Gly Asn Phe Glu Gly Phe Ser
                125                 130                 135
Met Ser Ser Glu Lys Lys Ile Met Ser Asp Leu Leu Thr Tyr Thr
                140                 145                 150
Lys Asn Ile His Pro Glu Thr Val Ser Lys Leu Glu Glu Glu Asp
                155                 160                 165
Ile Lys Asp Val Phe Asn Ser Asn Asn Glu Ala Pro Val Val His
                170                 175                 180
Ser Leu Ser Asn Gly Glu Val Thr Lys Met Val Leu Asn Gln Asp
                185                 190                 195
Asp His Asp Asp Asn Asp Asn Glu Asp Asp Val Asn Thr Ala Glu
                200                 205                 210
Lys Val Pro Ile Asp Asp Met Val Lys Met Cys Asp Gly Leu Ile
                215                 220                 225
Lys Gly Leu Glu Gln His Ala Phe Ile Thr Glu Gln Glu Ile Met
                230                 235                 240
Ser Val Tyr Lys Ile Lys Glu Arg Leu Leu Arg Gln Lys Ala Ser
                245                 250                 255
Leu Met Arg Gln Met Thr Leu Lys Glu Thr Phe Lys Lys Ala Ile
                260                 265                 270
Gln Arg Asn Ala Ser Ser Ser Leu Gln Asp Pro Leu Leu Gly Pro
                275                 280                 285
Ser Thr Ala Ser Asp Ala Ser Ser His Leu Lys Ile Lys
                290                 295
```

<210> 24
<211> 630
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1546633CD1

<400> 24
Met Pro Gln Gln Gln His Lys Val Ser Pro Ala Ser Glu Ser Pro
1 5 10 15
Phe Ser Glu Glu Glu Ser Arg Glu Phe Asn Pro Ser Ser Ser Gly
20 25 30
Arg Ser Ala Arg Thr Val Ser Ser Asn Ser Phe Cys Ser Asp Asp
35 40 45
Thr Gly Cys Pro Ser Ser Gln Ser Val Ser Pro Val Lys Thr Pro
50 55 60
Ser Asp Ala Gly Asn Ser Pro Ile Gly Phe Cys Pro Gly Ser Asp
65 70 75
Glu Gly Phe Thr Arg Lys Lys Cys Thr Ile Gly Met Val Gly Glu
80 85 90
Gly Ser Ile Gln Ser Ser Arg Tyr Lys Lys Glu Ser Lys Ser Gly
95 100 105
Leu Val Lys Pro Gly Ser Glu Ala Asp Phe Ser Ser Ser Ser Ser
110 115 120
Thr Gly Ser Ile Ser Ala Pro Glu Val His Met Ser Thr Ala Gly
125 130 135
Ser Lys Arg Ser Ser Ser Ser Arg Asn Arg Gly Pro His Gly Arg
140 145 150
Ser Asn Gly Ala Ser Ser His Lys Pro Gly Ser Ser Pro Ser Ser
155 160 165
Pro Arg Glu Lys Asp Leu Leu Ser Met Leu Cys Arg Asn Gln Leu
170 175 180
Ser Pro Val Asn Ile His Pro Ser Tyr Ala Pro Ser Ser Pro Ser
185 190 195
Ser Ser Asn Ser Gly Ser Tyr Lys Gly Ser Asp Cys Ser Pro Ile
200 205 210
Met Arg Arg Ser Gly Arg Tyr Met Ser Cys Gly Glu Asn His Gly
215 220 225
Val Arg Pro Pro Asn Pro Glu Gln Tyr Leu Thr Pro Leu Gln Gln
230 235 240
Lys Glu Val Thr Val Arg His Leu Lys Ile Lys Leu Lys Glu Ser
245 250 255
Glu Arg Arg Leu His Glu Arg Glu Ser Glu Ile Val Glu Leu Lys
260 265 270
Ser Gln Leu Ala Arg Met Arg Glu Asp Trp Ile Glu Glu Glu Cys
275 280 285
His Arg Val Glu Ala Gln Leu Ala Leu Lys Glu Ala Arg Lys Glu
290 295 300
Ile Lys Gln Leu Lys Gln Val Ile Glu Thr Met Arg Ser Ser Leu
305 310 315
Ala Asp Lys Asp Lys Gly Ile Gln Lys Tyr Phe Val Asp Ile Asn
320 325 330
Ile Gln Asn Lys Lys Leu Glu Ser Leu Leu Gln Ser Met Glu Met
335 340 345
Ala His Ser Gly Ser Leu Arg Asp Glu Leu Cys Leu Asp Phe Pro
350 355 360
Cys Asp Ser Pro Glu Lys Ser Leu Thr Leu Asn Pro Pro Leu Asp
365 370 375
Thr Met Ala Asp Gly Leu Ser Leu Glu Glu Gln Val Thr Gly Glu
380 385 390
Gly Ala Asp Arg Glu Leu Leu Val Gly Asp Ser Ile Ala Asn Ser

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                395                 400                 405
Thr Asp Leu Phe Asp Glu Ile Val Thr Ala Thr Thr Thr Glu Ser
                410                 415                 420
Gly Asp Leu Glu Leu Val His Ser Thr Pro Gly Ala Asn Val Leu
                425                 430                 435
Glu Leu Leu Pro Ile Val Met Gly Gln Glu Glu Gly Ser Val Val
                440                 445                 450
Val Glu Arg Ala Val Gln Thr Asp Val Val Pro Tyr Ser Pro Ala
                455                 460                 465
Ile Ser Glu Leu Ile Gln Ser Val Leu Gln Lys Leu Gln Asp Pro
                470                 475                 480
Cys Pro Ser Ser Leu Ala Ser Pro Asp Glu Ser Glu Pro Asp Ser
                485                 490                 495
Met Glu Ser Phe Pro Glu Ser Leu Ser Ala Leu Val Val Asp Leu
                500                 505                 510
Thr Pro Arg Asn Pro Asn Ser Ala Ile Leu Leu Ser Pro Val Glu
                515                 520                 525
Thr Pro Tyr Ala Asn Val Asp Ala Glu Val His Ala Asn Arg Leu
                530                 535                 540
Met Arg Glu Leu Asp Phe Ala Ala Cys Val Glu Glu Arg Leu Asp
                545                 550                 555
Gly Val Ile Pro Leu Ala Arg Gly Gly Val Val Arg Gln Tyr Trp
                560                 565                 570
Ser Ser Ser Phe Leu Val Asp Leu Leu Ala Val Ala Ala Pro Val
                575                 580                 585
Val Pro Thr Val Leu Trp Ala Phe Ser Thr Gln Arg Gly Gly Thr
                590                 595                 600
Asp Pro Val Tyr Asn Ile Gly Ala Leu Leu Arg Gly Cys Cys Val
                605                 610                 615
Val Ala Leu His Ser Leu Arg Arg Thr Ala Phe Arg Ile Lys Thr
                620                 625                 630

<210> 25
<211> 339
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1794031CD1

<400> 25
Met Asp Glu Asp Leu Ser Ala Ser Gln Asp His Ser Gln Ala Val
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Thr Leu Ile Gln Glu Lys Met Thr Leu Phe Lys Ser Leu Met Asp
                20                  25                  30
Arg Phe Glu His His Ser Asn Ile Leu Leu Thr Phe Glu Asn Lys
                35                  40                  45
Asp Glu Asn His Leu Pro Leu Val Pro Pro Asn Lys Leu Glu Glu
                50                  55                  60
Met Lys Arg Arg Ile Asn Asn Ile Leu Glu Lys Lys Phe Ile Leu
                65                  70                  75
Leu Leu Glu Phe His Tyr Tyr Lys Cys Leu Val Leu Gly Leu Val
                80                  85                  90
Asp Glu Val Lys Ser Lys Leu Asp Ile Trp Asn Ile Lys Tyr Gly
                95                 100                 105
Ser Arg Glu Ser Val Glu Leu Leu Leu Glu Asp Trp His Lys Phe
                110                 115                 120
Ile Glu Glu Lys Glu Phe Leu Ala Arg Leu Asp Thr Ser Phe Gln
                125                 130                 135
Lys Cys Gly Glu Ile Tyr Lys Asn Leu Ala Gly Glu Cys Gln Asn
                140                 145                 150
Ile Asn Lys Gln Tyr Met Met Val Lys Ser Asp Val Cys Met Tyr
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                155                 160                 165
Arg Lys Asn Ile Tyr Asn Val Lys Ser Thr Leu Gln Lys Val Leu
                170                 175                 180
Ala Cys Trp Ala Thr Tyr Val Glu Asn Leu Arg Leu Leu Arg Ala
                185                 190                 195
Cys Phe Glu Glu Thr Lys Lys Glu Glu Ile Lys Glu Val Pro Phe
                200                 205                 210
Glu Thr Leu Ala Gln Trp Asn Leu Glu His Ala Thr Leu Asn Glu
                215                 220                 225
Ala Gly Asn Phe Leu Val Glu Val Ser Asn Asp Val Val Gly Ser
                230                 235                 240
Ser Ile Ser Lys Glu Leu Arg Arg Leu Asn Lys Arg Trp Arg Lys
                245                 250                 255
Leu Val Ser Lys Thr Gln Leu Glu Met Asn Leu Pro Leu Met Ile
                260                 265                 270
Lys Lys Gln Asp Gln Pro Thr Phe Asp Asn Ser Gly Asn Ile Leu
                275                 280                 285
Ser Lys Glu Glu Lys Ala Thr Val Glu Phe Ser Thr Asp Met Ser
                290                 295                 300
Val Glu Leu Pro Glu Asn Tyr Asn Gln Asn Ile Lys Ala Gly Glu
                305                 310                 315
Lys His Glu Lys Glu Asn Glu Glu Phe Thr Gly Gln Leu Lys Val
                320                 325                 330
Ala Lys Asp Val Glu Lys Leu Ile Gly
                335
<210> 26
<211> 189
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2060563CD1

<400> 26
Met Leu Gly Met Ile Lys Asn Ser Leu Phe Gly Ser Val Glu Thr
  1                 5                  10                  15
Trp Pro Trp Gln Val Leu Ser Lys Gly Asp Lys Glu Glu Val Ala
                 20                  25                  30
Tyr Glu Glu Arg Ala Cys Glu Gly Gly Lys Phe Ala Thr Val Glu
                 35                  40                  45
Val Thr Asp Lys Pro Val Asp Glu Ala Leu Arg Glu Ala Met Pro
                 50                  55                  60
Lys Val Ala Lys Tyr Ala Gly Gly Thr Asn Asp Lys Gly Ile Gly
                 65                  70                  75
Met Gly Met Thr Val Pro Ile Ser Phe Ala Val Phe Pro Asn Glu
                 80                  85                  90
Asp Gly Ser Leu Gln Lys Lys Leu Lys Val Trp Phe Arg Ile Pro
                 95                 100                 105
Asn Gln Phe Gln Ser Asp Pro Pro Ala Pro Ser Asp Lys Ser Val
                110                 115                 120
Lys Ile Glu Glu Arg Glu Gly Ile Thr Val Tyr Ser Met Gln Phe
                125                 130                 135
Gly Gly Tyr Ala Lys Glu Ala Asp Tyr Val Ala Gln Ala Thr Arg
                140                 145                 150
Leu Arg Ala Ala Leu Glu Gly Thr Ala Thr Tyr Arg Gly Asp Ile
                155                 160                 165
Tyr Phe Cys Thr Gly Tyr Asp Pro Pro Met Lys Pro Tyr Gly Arg
                170                 175                 180
Arg Asn Glu Ile Trp Leu Leu Lys Thr
                185
<210> 27
<211> 530
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<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2573955CD1

<400> 27

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Met Leu Leu Trp Pro Leu Leu Leu Leu Leu Leu Leu Leu Pro Thr
  1               5                  10                  15
Leu Ala Leu Leu Arg Gln Gln Arg Ser Gln Asp Ala Arg Leu Ser
             20                  25                  30
Trp Leu Ala Gly Leu Gln His Arg Val Ala Trp Gly Ala Leu Val
             35                  40                  45
Trp Ala Ala Thr Trp Gln Arg Arg Arg Leu Glu Gln Ser Thr Leu
             50                  55                  60
His Val His Gln Ser Gln Gln Gln Ala Leu Arg Trp Cys Leu Gln
             65                  70                  75
Gly Ala Gln Arg Pro His Cys Ser Leu Arg Arg Ser Thr Asp Ile
             80                  85                  90
Ser Thr Phe Arg Asn His Leu Pro Leu Thr Lys Ala Ser Gln Thr
             95                 100                 105
Gln Gln Glu Asp Ser Gly Glu Gln Pro Leu Ala Pro Thr Ser Asn
            110                 115                 120
Gln Asp Leu Gly Glu Ala Ser Leu Gln Ala Thr Leu Leu Gly Leu
            125                 130                 135
Ala Ala Leu Asn Lys Ala Tyr Pro Glu Val Leu Ala Gln Gly Arg
            140                 145                 150
Thr Ala Arg Val Thr Leu Thr Ser Pro Trp Pro Arg Pro Leu Pro
            155                 160                 165
Trp Pro Gly Asn Thr Leu Gly Gln Val Gly Thr Pro Gly Thr Lys
            170                 175                 180
Asp Pro Arg Ala Leu Leu Leu Asp Ala Leu Arg Ser Pro Gly Leu
            185                 190                 195
Arg Ala Leu Glu Ala Gly Thr Ala Val Glu Leu Leu Asp Val Phe
            200                 205                 210
Leu Gly Leu Glu Thr Asp Gly Glu Glu Leu Ala Gly Ala Ile Ala
            215                 220                 225
Ala Gly Asn Pro Gly Ala Pro Leu Arg Glu Arg Ala Ala Glu Leu
            230                 235                 240
Arg Glu Ala Leu Glu Gln Gly Pro Arg Gly Leu Ala Leu Arg Leu
            245                 250                 255
Trp Pro Lys Leu Gln Val Val Val Thr Leu Asp Ala Gly Gly Gln
            260                 265                 270
Ala Glu Ala Val Ala Ala Leu Gly Ala Leu Trp Cys Gln Gly Leu
            275                 280                 285
Ala Phe Phe Ser Pro Ala Tyr Ala Ala Ser Gly Gly Val Leu Gly
            290                 295                 300
Leu Asn Leu Gln Pro Glu Gln Pro His Gly Leu Tyr Leu Leu Pro
            305                 310                 315
Pro Gly Ala Pro Phe Ile Glu Leu Leu Pro Val Lys Glu Gly Thr
            320                 325                 330
Gln Glu Glu Ala Ala Ser Thr Leu Leu Leu Ala Glu Ala Gln Gln
            335                 340                 345
Gly Lys Glu Tyr Glu Leu Val Leu Thr Asp Arg Ala Ser Leu Thr
            350                 355                 360
Arg Cys Arg Leu Gly Asp Val Val Arg Val Val Gly Ala Tyr Asn
            365                 370                 375
Gln Cys Pro Val Val Arg Phe Ile Cys Arg Leu Asp Gln Thr Leu
            380                 385                 390
Ser Val Arg Gly Glu Asp Ile Gly Glu Asp Leu Phe Ser Glu Ala
            395                 400                 405
Leu Gly Arg Ala Val Gly Gln Trp Ala Gly Ala Lys Leu Leu Asp
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                410                 415                 420
His Gly Cys Val Glu Ser Ser Ile Leu Asp Ser Ser Ala Gly Ser
                425                 430                 435
Ala Pro His Tyr Glu Val Phe Val Ala Leu Arg Gly Leu Arg Asn
                440                 445                 450
Leu Ser Glu Glu Asn Arg Asp Lys Leu Asp His Cys Leu Gln Glu
                455                 460                 465
Ala Ser Pro Arg Tyr Lys Ser Leu Arg Phe Trp Gly Ser Val Gly
                470                 475                 480
Pro Ala Arg Val His Leu Val Gly Gln Gly Ala Phe Arg Ala Leu
                485                 490                 495
Arg Ala Ala Leu Ala Ala Cys Pro Ser Ser Pro Phe Pro Pro Ala
                500                 505                 510
Met Pro Arg Val Leu Arg His Arg His Leu Ala Gln Cys Leu Gln
                515                 520                 525
Glu Arg Val Val Ser
                530
<210> 28
<211> 356
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3404792CD1

<400> 28
Met Ala Gly Leu Gly Ser Asp Pro Trp Trp Lys Lys Thr Leu Tyr
  1                 5                  10                  15
Leu Thr Gly Gly Ala Leu Leu Ala Ala Ala Ala Tyr Leu Leu His
                 20                  25                  30
Glu Leu Leu Val Ile Arg Lys Gln Gln Glu Ile Asp Ser Lys Asp
                 35                  40                  45
Ala Ile Ile Leu His Gln Phe Ala Arg Pro Asn Asn Gly Val Pro
                 50                  55                  60
Ser Leu Ser Pro Phe Cys Leu Lys Met Glu Thr Tyr Leu Arg Met
                 65                  70                  75
Ala Asp Leu Pro Tyr Gln Asn Tyr Phe Gly Gly Lys Leu Ser Ala
                 80                  85                  90
Gln Gly Lys Met Pro Trp Ile Glu Tyr Asn His Glu Lys Val Ser
                 95                 100                 105
Gly Thr Glu Phe Ile Ile Asp Phe Leu Glu Glu Lys Leu Gly Val
                110                 115                 120
Asn Leu Asn Lys Asn Leu Gly Pro His Glu Arg Ala Ile Ser Arg
                125                 130                 135
Ala Val Thr Lys Met Val Glu Glu His Phe Tyr Trp Thr Leu Ala
                140                 145                 150
Tyr Cys Gln Trp Val Asp Asn Leu Asn Glu Thr Arg Lys Met Leu
                155                 160                 165
Ser Leu Ser Gly Gly Gly Pro Phe Ser Asn Leu Leu Arg Trp Val
                170                 175                 180
Val Cys His Ile Thr Lys Gly Ile Val Lys Arg Glu Met His Gly
                185                 190                 195
His Gly Ile Gly Arg Phe Ser Glu Glu Glu Ile Tyr Met Leu Met
                200                 205                 210
Glu Lys Asp Met Arg Ser Leu Ala Gly Leu Leu Gly Asp Lys Lys
                215                 220                 225
Tyr Ile Met Gly Pro Lys Leu Ser Thr Leu Asp Ala Thr Val Phe
                230                 235                 240
Gly His Leu Ala Gln Ala Met Trp Thr Leu Pro Gly Thr Arg Pro
                245                 250                 255
Glu Arg Leu Ile Lys Gly Glu Leu Ile Asn Leu Ala Met Tyr Cys
                260                 265                 270
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Glu Arg Ile Arg Arg Lys Phe Trp Pro Glu Trp His His Asp Asp
                275                 280                 285
Asp Asn Thr Ile Tyr Glu Ser Glu Glu Ser Ser Glu Gly Ser Lys
                290                 295                 300
Thr His Thr Pro Leu Leu Asp Phe Ser Phe Tyr Ser Arg Thr Glu
                305                 310                 315
Thr Phe Glu Asp Glu Gly Ala Glu Asn Ser Phe Ser Arg Thr Pro
                320                 325                 330
Asp Thr Asp Phe Thr Gly His Ser Leu Phe Asp Ser Asp Val Asp
                335                 340                 345
Met Asp Asp Tyr Thr Asp His Glu Gln Cys Lys
                350                 355
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<210> 29
<211> 1364
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1681724CB1

<400> 29
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gacccccaac aatctgaccc ccaccaactg cagctggtgg cccatctccg cgctggagag 120
cgatgcggcc aagccagcgg aggccccga cgctcccgag gcggccagcc ccgcccattg 180
gcccagggag agcctggttc tgtaccactg gacccagtcc ttcagctcgc agaaggtgcg 240
gctggtgatc gccgagaagg gcctggtgtg cgaggagcgg gacgtgagcc tgccacagag 300
cgagcacaag gagccctggt tcatgcggct caacctgggc gaggaggtgc ccgtcatcat 360
ccaccgcgac aacatcatca gtgactatga ccagatcatt gactatgtgg agcgcacctt 420
cacaggagag cacgtggtgg ccctgatgcc cgaggtgggc agcctgcagc acgcacgggt 480
gctgcagtac cgggagctgc tggacgcact gcccatggat gcctacacgc atggctgcat 540
cctgcatccc gagctcacca ccgactccat gatccccaag tacgccacgg ccgagatccg 600
cagacattta gccaatgcca ccacggacct catgaaactg gaccatgaag aggagcccca 660
gctctccgag ccctaccttt ctaaacaaaa gaagctcatg gccaagatct tggagcatga 720
tgatgtgagc tacctgaaga agatcctcgg ggaactggcc atggtgctgg accagattga 780
ggcggagctg gagaagagga agctggagaa cgaggggcag aaatgcgagc tgtggctctg 840
tggctgtgcc ttcaccctcg ctgatgtcct cctgggagcc accctgcacc gcctcaagtt 900
cctgggactg tccaagaaat actgggaaga tggcagccgg cccaacctgc agtccttctt 960
tgagagggtc cagagacgct ttgccttccg gaaagtcctg ggtgacatcc acaccaccct 1020
gctgtcggcc gtcatcccca atgctttccg gctggtcaag aggaaacccc catccttctt 1080
cggggcgtcc ttcctcatgg gctccctggg tgggatgggc tactttgcct actggtacct 1140
caagaaaaaa tacatctagg gccaggcctg gggcttggtg tctgactgtc ggtgtctctg 1200
tgctgtgtga ttccccgtga gctctcagta actcactgtc tcatgaacac ttggacagcc 1260
ctccccgccc ttcgttctga gtaataatac cgtcagtgtg aaaacattcc gtagtttaga 1320
agtagacgtt gccaatgctg tgactcaagg ccagggttca atta 1364

<210> 30
<211> 505
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1718047CB1

<400> 30
cggctcgagg agagattcac gcaccctcaa gagtgtgggt gagacatata cagcctgtta 60
gacctgaagg cagatggctc ttcttaaggc caataaggat ctcatttccg caggattgaa 120
ggagttcagc gttctgctga atcagcaggt cttcaatgat cctctcgtct ctgaagaaga 180
catggtgact gtggtggagg actggatgaa cttctacatc aactattaca ggcagcaggt 240
gacaggggag ccccaagagc gagacaaggc tctgcaggag cttcggcaag agctgaacac 300
tctggccaac cctttcctgg ccaagtacag ggacttcctg aagtctcatg agctcccgag 360
tcacccaccg ccctcctcct agctcaggga cccagccccc cctctctgag aaactctgac 420

cttcatgtcc ttaggctgtg ctcctgccac tctaccctga cacctcaata aagaccagtg 480
ctggttttgt tggaaaaaaa aaaaa 505

<210> 31
<211> 926
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1980323CB1

<400> 31
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acgcatcggg tgggctcggg tctccagccc ggccgggagg agggaccggg tctgcggagc 120
ggggactcgg ggcctcggcg gggcgcgcac acgcaggcgg ggcggcccgg ggtgcggggc 180
ctctgcgcgg ctgaccaggc tcccagagcg tcacgccgcc catggccgag ccgctccagc 240
cagaccccgg ggcggccgag gacgcggcgg cccaagctgt ggagacgccg ggctggaagg 300
ccccggagga cgccggcccc cagcccggaa gttatgagat ccgacactat ggaccagcca 360
agtgggtcag cacgtccgtg gagtctatgg actgggattc agccatccag acgggcttta 420
cgaaactgaa cagctacatt caaggcaaaa acgagaaaga gatgaaaata aagatgacag 480
ctccagtgac aagctacgtg gagcctggtt caggtccttt tagtgagtct accattacca 540
tttccctgta tattccctct gaacagcaat ttgatccacc caggccttta gagtcagatg 600
tcttcattga agatagagcc gaaatgactg tgtttgtacg gtctttcgat ggattttcta 660
gtgcccaaaa gaatcaagaa caacttttga cattagcaag cattttaagg gaagatggaa 720
aagttttcga tgagaaggtt tactacactg caggctacaa cagtcctgtc aaattgctta 780
atagaaataa tgaagtgtgg ttgattcaaa aaaatgaacc caccaaagaa aacgaatgag 840
aaaaatgaaa ggaagttctg ctgtcagagg caaaacatct gtttatcata gacatcaaca 900
tgacctataa gtaaaaaaaa aaaaaa 926

<210> 32
<211> 1364
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1990956CB1

<400> 32
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tcgtggctcg ttccattctc ggcggtggta cctgctcccg gtggccctga ggacgtgtgg 120
gccaggggcg gccccgaaat taggaagcgg agggggagca gtctgcaggt ctgcggggct 180
aagtgtcgcg gcggcgcacc tcgcgtcaag aatccggagg aggagactgc aaggataggc 240
ccaggagtaa tggagtccaa agaggaacta gcggcaaaca atctcaacgg ggaaaatgcc 300
caacaagaaa acgaaggagg ggagcaggcc cccacgcaga atgaagaaga atcccgccat 360
ttgggagggg gtgaaggcca gaagcctgga ggaaatatca ggcgggggcg agttaggcga 420
cttgtcccta attttcgatg ggccatacct aataggcata ttgagcacaa tgaagcgaga 480
gatgatgtag aaaggtttgt agggcagatg atggaaatca agagaaagac tagggaacag 540
cagatgaggc actatatgcg cttccaaact cctgaacctg acaaccatta tgacttttgc 600
ctcatacctt gaatcctaaa agttttcgct gaggttaatg tgaacactgc tttacaagct 660
tgtatttttg tgatttactt tttctgtaag ccttttggtg tttacactta ccagtttcta 720
atggaaatta gaattctaat tgaatattgt tttgtctcag cctaaaagtt acggtcagca 780
tggcaattca cctattttag gaaaaatact cttttcataa tatgaaatgc ataaagcagt 840
tcaaaaagca gtctgtattc catcatcttc ctttttcatt ccagtcctta tttttgtaag 900
tattactttt cctcctccgg ctacctggac tcaaaatctc agttgtcttt gacagttttt 960
ttcttgtccc tgaccaaaaa agaatgatca tacccagaat tcaatgtttg atattttaag 1020
aatgtatgtt ctagtgtttt tcagagtgag tctaccatct gtataaaaac accttggggg 1080
caggcagggg catttaaaaa tgtaggacct atcgtccaga ctcacagagt ggggctccag 1140
aatctccatt tttaacaaac tctcttaagt aattctgatg tgtaccaaaa tcagtgccat 1200
tggtgtgtgt gtacgtaact atatacatat gtgtgtgtgt gtatatatat aatgtgtcat 1260
aaccgtaaac aataaacaat atcaagataa atctgacttt gatgggcaag taattaaaaa 1320
agaaaagtat gagaccttaa aaaaaaaaaa aaaaaaaaaa aaaa 1364

<210> 33
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2009069CB1

<400> 33
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ctaatgaaga tgtggacgaa cacaccccat caacctcaag taccaaaggg aggaagaagg 120
ggaagacacc ccgtcaacga aggtccagaa gcggcgttaa gggcctaaag accaccagga 180
aggcgaaaag acccccttcga gggagctcga gccaaaaagc cggtgaaact aacacccctg 240
caggaaaacc taagaaagct agaggaccaa tactgcgtgg tcgttatcac cggctgaaag 300
aaaaaatgaa gaaagaagag gccgacaaag agcaaagcga gacctcagtt ctgtgatgtc 360
tctagaggtc cgccactgaa aagtcatcaa tcatacagtc agtgaattct acaccaacag 420
gttaaaacca tgaaaataaa atcaacctga atcgaaaaaa aaaa 464

<210> 34
<211> 1549
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2009435CB1

<400> 34
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agggacttgg agtgcagatg gcatccttcg gttcttccag acaagctgca agacgctgac 120
catggccaag atggagctct cgaaggcctt ctctggccag cggacactcc tatctgccat 180
cctcagcatg ctatcactca gcttctccac aacatccctg ctcagcaact actggtttgt 240
gggcacacag aaggtgccca agcccctgtg cgagaaaggt ctggcagcca agtgctttga 300
catgccagtg tccctggatg gagataccaa cacatccacc caggaggtgg tacaatacaa 360
ctgggagact ggggatgacc ggttctcctt ccggagcttc cggagtggca tgtggctatc 420
ctgtgaggaa actgtggaag aaccagcact gctccatccc cagtcctgga aacaatttag 480
agcccttcgg tccagtggta cagcggcagc aaaaggggag aggtgccgaa gtttcattga 540
acttacacca ccagccaaga gaggtgagaa aggactactg gaatttgcca cgttgcaagg 600
cccatgtcac cccactctcc gatttggagg gaagcggttg atggagaagg cttccctccc 660
ctcccctccc ttggggcttt gtggcaaaaa tcctatggtt atccctggga acgcagatca 720
cctacatcgg acttcaattc atcagcttcc tcctgctact aacagacttg ctactcactg 780
ggaaccctgc ctgtgggctc aaactgagcg cctttgctgc tgtttcctct gtcctgtcag 840
gtctcctggg gatggtggcc cacatgatgt attcacaagt cttccaagcg actgtcaact 900
tgggtccaga agactggaga ccacatgttt ggaattatgg ctgggccttc tacatggcct 960
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tggtgctgga gttcaagtgc aagcatagta agagcttcaa ggaaaacccg aactgcctac 1080
cacatcacca tcagtgtttc cctcggcggc tgtcaagtgc agcccccacc gtgggtcctt 1140
tgaccagcta ccaccagtat cataatcagc ccatccactc tgtctctgag ggagtcgact 1200
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<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<213> Homo sapiens

<220>
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<212> DNA
<213> Homo sapiens

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<213> Homo sapiens

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<213> Homo sapiens

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<223> Incyte ID No: 1794031CB1

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<211> 1146
<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

<220>
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